





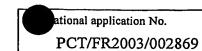
## **PCT**

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

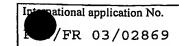
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	(PCT Article 36 an	d Rule 70)		
Applicant's or agent's file reference GB2 2002060 PCT	FOR FURTHER ACTION		ion of Transmittal of Internation Report (Form PCT/IPE	
International application No. PCT/FR2003/002869	1 -	International filing date (day/month/year) Priority date (day/month/year) 01 octobre 2003 (01.10.2003) 09 octobre 2002 (09.1		
International Patent Classification (IPC H01L 51/20, H05B 33/06, E				
Applicant	SAINT-GOBAIN GLAS	S FRANCE		
This report is also according been amended and are (see Rule 70.16 and Se	al of 5 sheets, includ mpanied by ANNEXES, i.e., sheets the basis for this report and/or sheet ction 607 of the Administrative Inst	of the descriptions containing recti	s, claims and/or drawings which ha	
These afficaes consist	of a total of sheets.			
	of a total of sheets. s relating to the following items:	<del></del>	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	
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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT



I. Basis	of the	report		
1. This in under	report Article	has been drawn o	n the basis of (Replaceme in this report as "originall	nt sheets which have been furnished to the receiving Office in response to an invitation of filed" and are not annexed to the report since they do not contain amendments.):
		the international	application as originally	filed.
	$\boxtimes$	the description,	pages 2-21	, as originally filed,
1	K_3		pages	, filed with the demand,
			pagesl	, filed with the letter of
			pages	, filed with the letter of
	$\boxtimes$	the claims,	Nos	, as originally filed,
				, as amended under Article 19,
				, filed with the demand,
			Nos1-24	, filed with the letter of <u>18 November 2004 (18.11.2004)</u> ,
	•		Nos.	, filed with the letter of
	$\boxtimes$	the drawings,	sheets/fig1/7-7/	7, as originally filed,
			sheets/fig	, filed with the demand,
			sheets/fig	, filed with the letter of,
			sheets/fig	, filed with the letter of
2. The a	mendi	ments have resulte	ed in the cancellation of:	
		the description,	pages	
		the claims,	Nos	
	$\overline{\Box}$	the drawings,	sheets/fig	
	_	<b>3.</b> ,		
3.	This	report has been es	stablished as if (some of)	the amendments had not been made, since they have been considered d in the Supplemental Box (Rule 70.2(c)).
	to go	beyond the diser	sure as mou, as malean	d in the supplemental Box (Rule 70.2(e)).
4. Addit	ional (	observations, if ne	ecessary:	



v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

1.	Statement		<u>.</u> .	
	Novelty (N)	Claims	1-26	YES
		Claims		NO NO
	Inventive step (IS)	Claims ·		YES
		Claims	1-26	NO NO
	Industrial applicability (IA)	Claims	1-26	YES
		Claims		NO

## 2. Citations and explanations

Expressions such as "for example", "possibly", "preferably", "in particular", "such as", do not restrict the scope of a claim. The features preceded by such expressions must be considered entirely optional.

This report makes reference to the following documents:

D1: FR-A-2 811 778 D2: US-A-6 456 003

Document D1 relates to an electrically controllable device having variable optical and/or energetic properties (page 1, lines 12-14) and comprising at least a substrate that carries an electrically active stack of layers intercalated between a so-called "bottom" electrode and a so-called "top" electrode, each electrode having at least one electroconducting layer (page 4, lines 1-4) electrically connected to at least one current bus. At least one current bus is electrically connected to at least one furrent lead comprising a network of wires that extend on or inside the electroconducting layer (see the figures of D1). The current lead distributes electric energy over the surface of at least one of the conducting layers in order to convert electric energy homogeneously

in the electroactive stack layers (page 10, lines 12-15 and 30-32).

The only difference between the known device and the claimed device is that in the device described in document D1 electric energy is not converted into light energy. However, a person skilled in the art would realise, without being inventive, that the current lead in the structure of D1 can be used in an electroluminescent device and he would replace the normal electrode of such a device (see D2, figures 2-4) by the arrangement in D1 to arrive at a uniform distribution of electric energy.

The subject matter of claim 1 does not involve an inventive step (PCT Article 33(3)).

According to the applicant, the technology described in D1 is used for devices that need moderate energy intensities but is not efficient for applications which require very high intensity, as is the case of the conversion of electric energy and light energy. By contrast, the current leads in the present application can deliver very high current intensities. This argument is not convincing. The claimed current leads can include a network of wires that extend on or inside one of the layers and are suitable for distributing electric energy over the layer surface, precisely like the current leads in document D1. Hence, there is no difference between the claimed and known leads which could indicate that the ones are suitable for delivering very high intensities and the others not. Either the leads described in D1 can also deliver very high current intensities or the claimed leads cannot supply very high intensities, or claim 1 lacks essential features that differentiate the leads in the claimed device from those in the device described in D1.

The features of claims 2-6, 12-19 and 23-26 are known from document D1 and those of claims 10, 11 and 22 are known. from document D2. The features of the remaining claims relate to conventional features of electroluminescent devices. The subject matter of claims 2-26 does not involve an inventive step (PCT Article 33(3)).